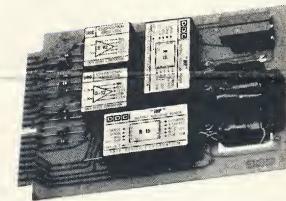
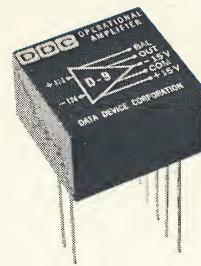


SHORT FORM CATALOG



D D C

OPERATIONAL AMPLIFIERS
PICOPOWER COMPARATOR/RELAYS
"IMP" S INSTANT MODULAR POWER SUPPLIES

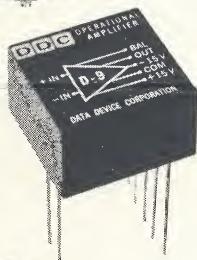
DDC "AMPS" AND "IMPS"

DDC offers a wide range of "assured reliability" operational amplifiers, current boosters, A.C. powered amplifiers and "IMPS" (Instant Modular Power Supplies).

New general and special purpose amplifiers are continuously being developed at DDC. Before specifying, check performance—price and delivery with your DDC Representative.

DDC QUALITY ASSURANCE

All DDC units are manufactured in rigorous compliance with MIL-Q-9858A quality standards. Through the use of advanced silicon circuitry, automated production and test techniques, excellent performance is achieved at very reasonable cost. Conservative design, complete traceability of component parts, 100 hour operational aging, two complete salient parameter tests and DDC's unique short circuit protection are your assurance of long and trouble-free operation.



AMPLIFIER SPECIFICATIONS (at 25°C unless noted)	STANDARD SERIES					
	NEW D-6 Economy with Good Performance	NEW D-7 General Purpose	D-8 General Purpose Low Offset Current	NEW D-9 5MA Output High Frequency	NEW D-11 D-11-9 Low Cost High Current	
A. Voltage Gain, Open Loop DC Decibels @ Rated Load	82M 86T	90M 93T	86M 90T	86M 90T	100M 105T	
B. Frequency Response						
1. Freq. for Full Output—KC	15M 20T	12M 15T	18M 25T	35M 50T	10M 13T	
2. Freq. for Unity Gain—MC	1.5M 2.5T	1.0M 1.7T	5.0M 10.0T	10M 20T	0.8M 1.0T	
3. Slew Rate—V/ μ sec.	0.94M 1.25T	0.7M 0.9T	1.1M 1.6T	2.2M 3.1T	0.6M 0.8T	
C. Rated Output						
1. Voltage—V @ Rated Load	\pm 10M	\pm 11M	\pm 11M	\pm 10M \pm 11T	\pm 10M	
2. Current—MA	\pm 2M	\pm 2.2M	\pm 2.2M	\pm 5M	\pm 20.0M	
D. Input Voltage Offset						
1. Init. Offset—MV (Balance Pot.)	ADJ. TO ZERO (10K Ω)	*ADJ. TO ZERO (50K Ω)	*ADJ. TO ZERO (50K Ω)	*ADJ TO ZERO (50K Ω)	0.5T 1.0X (5K Ω)	
2. Voltage Drift—Time μ V/24 hr.	—	15T 40X	30X	30X	50T	
3. Voltage Drift—Temp.— μ V/ $^{\circ}$ C	10T 20X	15T 25X	10T 20X	10T 20X	10T 25X	
E. Input Current Offset						
1. Init. Offset—NA	20T 75X	15T 30X	8T 20X	8T 20X	10T 20X	
2. Curr. Drift—Time—NA/24 hr.	—	20X	1.5T	1.5T	—	
3. Curr. Drift—Temp.—NA/ $^{\circ}$ C	3T 6X	1.0T 2.0X	0.8T 1.2X	0.8T 1.2X	0.5T 0.8X	
F. Input Impedance						
1. Differential—Meg Ω	0.18M 0.3T	0.2M 0.275T	0.2M 0.275T	0.2M 0.275T	0.6M 1.0T	
2. Common Mode—Meg Ω	8M 12T	12M 20T	10M 25T	10M 25T	50M 100T	
G. Input Noise— μ V RMS	6T	3.5T 5X	1.5T 3X	3T 5X	6T 10X	
H. Common Mode Voltage—V P-P	\pm 7X	\pm 11X	\pm 11X	\pm 11X	\pm 10X	
I. Power Requirements						
1. Voltage—V	\pm 15T	\pm 15T	\pm 15T	\pm 15T	\pm 15T	
2. Current—Quiescent—MA	8T 8.5X	6.5X	6.5X	12X	5T	
3. Current—Full Load—MA	12.5X	8.8X	8.5X	18X	25T	
4. Current—Short Circuit—MA	—	10T 12X	10T 12X	30X	45T 50X	
J. Temperature Range						
1. Operation—(Optimum Range) (Maximum Range)	-25°C to +85°C -55°C to +85°C	-25°C to +85°C -55°C to +85°C	-25°C to +85°C -55°C to +85°C	-25°C to +85°C -55°C to +85°C	-25°C to +85°C -55°C to +85°C	
2. Storage	-55°C to +100°C	-55°C to +100°C	-55°C to +100°C	-55°C to +100°C	-55°C to +100°C	
K. Weight	0.5 oz.	<1 oz.	<1 oz.	<1 oz.	See Note 1	
L. Volume	0.5 in ³	<0.8 in ³	<0.8 in ³	<0.8 in ³	See Note 1	
M. Mechanical Specifications						
1. Standard Packaging	Fig. 1	Fig. 2	Fig. 2	Fig. 2	D-11: Fig. 2 D-11-9: Fig. 3	
2. Options	Figure 5	Figures 4, 5	Figures 1, 4, 5	Figures 1, 4, 5		
3. Socket	9005	9005	9005	9005	9005 (D-11 only)	
N. Remarks	Short-Circuit Proof Comm. Mode Reject. Ratio: 96 db Typ.	Fully Short-Circuit Proof	Fully Short-Circuit Proof	Fully Short-Circuit Proof	Fully Short-Circuit Proof	

LEGEND:
M = Minimum Requirement
X = Maximum Requirement
T = Typical Value

APPLICABLE SPECIFICATIONS:
Quality: MIL-Q-9858A
Environmental: MIL-STD-202C
Reliability: MIL-HDBK-217

NOTE:
1. D-11 and D-22 weigh 1.1 oz. and occupy <0.8 in³
D-11-9 and D-22-9 weigh 1.3 oz. and occupy 1.3 in³
* Available in Self-Balanced Version

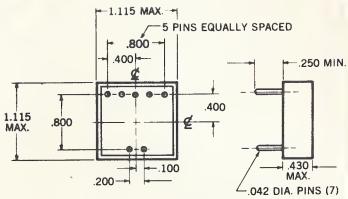
MECHANICAL SPECIFICATIONS:

FIGURE 1

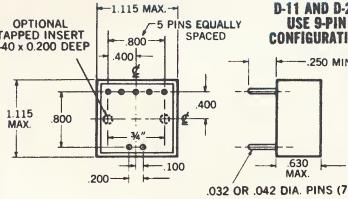


FIGURE 2

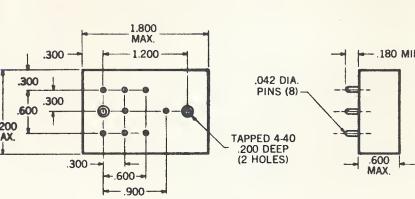


FIGURE 3

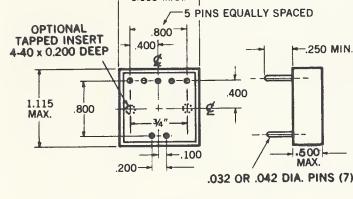


FIGURE 4

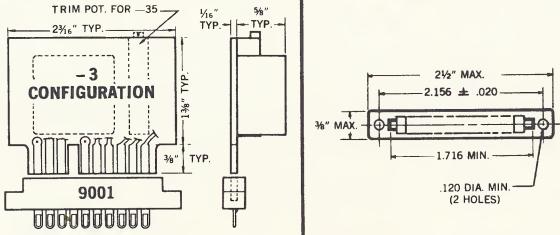
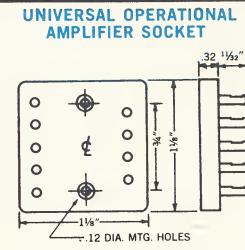


FIGURE 5



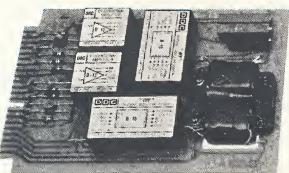
SOCKET PART NO. 9005

WRITE, WIRE OR CALL FOR DETAILED DATA AND PRICES

AMPLIFIERS

HIGH PERFORMANCE SERIES						
D-12 Premium General Purpose	NEW D-18 High Stability	D-16 High Input Impedance	NEW D-22 D-22-9 High Current, High Stability	NEW D19 FET Input		
90M 93T	86M 88T	86M 90T	100M 105T	100M		
12M 15T	15M 20T	10M 13T	10M 13T	100M		
1.0M 1.7T	1.5M 2.0T	1.0M 1.2T	1.0M 1.3T	10M		
0.7M 0.9T	0.9M 1.25T	0.6M 0.8T	0.6M 0.8T	6M		
±11M	±11M	±11M	±10M	±10M		
±2.2M	±2.2M	±2.2M	±20.0M	±5M		
ADJ. TO ZERO (50kΩ)	ADJ. TO ZERO (50kΩ)	ADJ. TO ZERO (50kΩ)	0.5X (5kΩ)	ADJ. TO ZERO (50kΩ)		
15T 40X	25X	50T	50T	—		
10T 15X	5T 10X	20T 40X	5T 15X	10T 20X		
10T 20X	2T 5X	10T 15X	5T 10X	0.100X		
20X	1.5T	0.5T 1.0X	—	—		
0.8T 1.5X	0.45T 0.65X	0.1T 0.2X	0.45T 0.65X	10-4X		
0.2M 0.275T	0.6M 1.0T	10M 15T	0.6M 1.0T	10 ⁵ M		
12M 20T	55M 65T	150M 175T	50M 100T	10 ⁵ M		
3.5T 5X	3.0T 5X	15T 30X	4T 8X	—		
±11X	±11X	±11X	±10X	±10X		
±15T	±15T	±15T	±15T	±15T		
6.5X	6.5X	6.5X	5T	12X		
8.8X	8.8X	8.8X	25T	18X		
10T 12X	10T 12X	10T 12X	40T 45X	30X		
—25°C to +85°C —55°C to +85°C —55°C to +100°C	—25°C to +85°C —55°C to +85°C —55°C to +100°C					
<1 oz.	<1 oz.	<1 oz.	See Note 1	<1 oz.		
<0.8 in ³	<0.8 in ³	<0.8 in ³	See Note 1	<0.8 in ³		
Fig. 2	Fig. 2	Fig. 2	D-22: Fig. 2 D-22-9: Fig. 3	Fig. 2		
Figures 1, 4, 5	Figures 4, 5	Figures 4, 5		Figure 5		
9005	9005	9005	9005 (D-22 only)	9005		
Fully Short-Circuit Proof	Fully Short-Circuit Proof	Fully Short-Circuit Proof	Fully Short-Circuit Proof	Fully Short-Circuit Proof		

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

C-SERIES
A.C. POWERED OPERATIONAL AMPLIFIERS

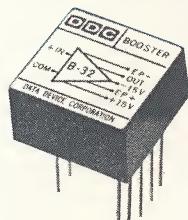
The C-Series is a completely assembled operational amplifier that requires only 115 vac for operation. It is mounted on a 4 1/2" x 6 1/2" p-c card and is ready for insertion in a standard card rack or mounting in instrumentation or systems.

Included on the card is a miniature dual power supply, one or two DDC operational amplifiers, transformer, trim potentiometer, p-wiring and space for up to twelve discrete circuit components. When the components are mounted (six maximum for each operational amplifier) the amplifiers function in a variety of conventional-feedback configurations such as an integrator, summer, voltage follower and inverting amplifier.

Amplifier performance may be selected from any of the DDC operational amplifier modules. Typical amplifiers have open-loop gain in excess of 86 db, temperature coefficients from <5μV/°C and output currents of 2 to 20 ma at d-c to 20 MC.

Request Detailed Specs.

CURRENT BOOSTERS

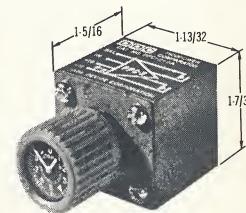
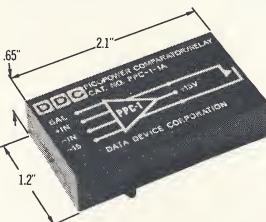


The B-series boosters are all silicon, short-circuit proof, current amplifiers designed to extend the output current range of DDC operational amplifiers with excellent stability.

Characteristics (@ 25°C unless otherwise noted)	Type
CURRENT, OUTPUT (min.)	B-34 B-32
VOLTAGE, OUTPUT (min.)	±100 ma ±50 ma
CURRENT GAIN (min.)	400 25
IMPEDANCE, OUTPUT	3Ω 5Ω
QUIESCENT CURRENT	±10 ma ±1 ma
TEMPERATURE RANGE	
Operation:	—55°C to +85°C
Storage:	—55°C to +85°C
SIZE	1.2 x 2.1 1 1/8 x 1 1/8 x 0.65" 1 x 5/8" x 1/8"

PICOPOWER COMPARATOR/RELAYS

The PPC-1 and PPC-2 are economical, ultra sensitive solid state comparator/relays with wide applications in instrumentation and automation. The comparators can be actuated directly by signals from strain gauges, thermocouples and other transducers.



TYPE PPC-1

Requires external reference voltage. Contact Forms: 1A, 1C, 2A.
Mounting: P.C. card or 9005 Socket.

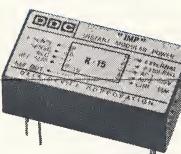
TYPE PPC-2

Integral potentiometer voltage trip-point adjustment. Contact Forms: 1A, 1C, 2A, 2C, 3A.
Mounting: Panel mounting.

ELECTRICAL SPECIFICATIONS

Sensitivity: <0.5mV
Input Impedance: >350K
Maximum input voltage to ground
either terminal: 10 volts
Power Supply Requirements:
±15v @ <5mA
Power Input: <1.0 picowatts
Repeatability: <2 milliseconds
Temperature Range: —25°C to
+85°C

Contact Rating: 200 volts D.C.
(400V D.C. breakdown), .5 amp,
10 watts D.C.
Contact Resistance: 0.1Ω
Leakage Current: 75nA (Max),
20nA (Typ)
Maximum Input
Terminal Voltage: ±15 volts

"IMPS" INSTANT MODULAR POWER SUPPLIES
MOUNT ON YOUR PC CARD

DDC "IMPS"—Instant Modular Power Supplies are miniature encapsulated DC voltage regulator modules specifically designed for micro-circuit and discrete component applications. R-Series regulators may be mounted on your PC cards immediately adjacent to the components being powered. The T-Series transformer modules permit direct operation from unregulated 115V AC 50-440 cps. Where a completely assembled card mounted supply is desired, the CP-Series provides the designer with a flexible, economical method of putting power where the parts are.

IMP REGULATORS

Characteristics (@ 25°C unless otherwise noted)	Type
	R-15 R-16-2
Input	22V RMS @ 50-440cps 24 to 30V DC
Output Voltage	Adj. 12V to 18V
Output Current	25mA
Regulation — Line or Load	±0.005%
Ripple and Noise	<250μV RMS
Temp. Coefficient	0.02% / °C
Temp. Range: Operating Storage	—25°C to +85°C —55°C to +100°C
Size & Mechanical Specs.	1.2" x 2.1" x 0.65" Molded Epoxy Package

IMP TRANSFORMERS

Characteristics	Type
	T-20 T-21
Input	115V ±10%, 50-440cps
Output Voltage	Dual 22V RMS
Output Current	40mA RMS/Section
Size & Mechanical Specs.	2" x 2" x 3/4" Open Frame—Epoxy Dipped

CARD MOUNTED
POWER SUPPLIES

Characteristics	Type
	CP-10 CP-11
Input	115V ±10%, 50-440cps
Output	Adj. ±12V to ±18V @ ±25mA
Regulator Type	R-15 R-16-2
Size	4 1/2" x 6 1/2" x 1 1/8" h Mates with 22-pin edge mounted connector

NOTE: Height Dims. are Above P. C. Board



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Phone: 516-433-5330



JUNE 1966

PRICE LIST

Prices subject to change without notice.

OPERATIONAL AMPLIFIERS

	Model	1-9	10-24	Socket
Economy with stability, 75nA offset, 2mA	D-6	\$18.00 ✓	\$18.00 ✓	9005
	D-6-3	21.00 ✓	21.00 ✓	9001
	D-6-35	23.50 ✓	23.50 ✓	9001
General purpose, 25µV/°C, 2.2mA	D-7	27.00	24.80 ✓	9005
	D-7-3	30.00 ✓	27.30 ✓	9001
	D-7-35	34.00 ✓	30.80 ✓	9001
Low offset current, 20nA offset, 2.2mA	D-8	29.00	26.00 ✓	9005
	D-8-3	32.00 ✓	28.50 ✓	9001
	D-8-35	36.00 ✓	32.00 ✓	9001
5mA output, Hi frequency, #D-9 35Kc FFO, 10Mc bandwidth	#D-9-3	31.00	29.00	9005
	34.00	31.50	9001	
	#D-9-35	38.00	35.00	9001
Low cost--20mA, 25µV/°C, 20nA offset	D-11	60.00	57.00	9005
	D-11-9	65.00	63.00	9006
Premium, general purpose, 15µV/°C, 2.2mA output	D-12	55.00	52.00	9005
	D-12-3	58.00 ✓	54.50 ✓	9001
	D-12-35	62.00 ✓	58.00 ✓	9001
High input impedance, 150MΩ Common mode Z	D-16	85.00	79.00	9005
	D-16-3	88.00 ✓	81.50 ✓	9001
	D-16-35	92.00 ✓	85.00 ✓	9001
High stability, 5nA offset, 10µV/°C	D-18	65.00 ✓	63.00 ✓	9005
	D-18-3	68.00 ✓	65.50 ✓	9001
	D-18-35	72.00 ✓	69.00 ✓	9001
FET Input	#D-19	Consult Factory	9005	
High current--20mA. 15µV/°C, 10nA offset	D-22	78.00 ✓	75.00 ✓	9005
	D-22-9	85.00	79.00	9006

NOTE: -3 and -35 models are mounted on 2 3/16" x 1 3/4" PC card. See Fig. 5 of the short form catalog or individual data sheets for outline drawings. The -35 includes a 10-turn potentiometer for trimming offset voltage to zero.

CURRENT BOOSTERS

	Model	1-9	10-24
50mA	B-32	\$45.00	\$41.00 ✓
100mA	B-34	55.00 ✓	52.00 ✓

SOCKETS & CONNECTORS

	Model	1-9	10-24
For -3 & -35 cards	9001	\$ 1.75	\$ 1.75
For C & CP Series	9002	2.25	2.00
For all standard amps.	9005	3.75	3.50
For -9 series amplifiers	#9006	2.80	2.50

NOTES: # New Unit
✓ Price Decrease
^ Price Increase

MILITARIZED (QPL) AND "HI REL" UNITS:

Fully militarized versions of most DDC amplifiers are available. Consult the factory.

QUANTITY PRICES:

Contact factory or your authorized DDC Engineering Representative for prices and delivery on quantities of 25 or more, for quotations on modified or special units, or new amplifiers currently under development.

DELIVERY:

DDC endeavors to keep all standard amplifiers available for delivery in moderate quantities from stock to 10 days maximum. On urgent orders, please contact your DDC Representative or the factory for specific delivery dates.

TERMS:

1/2% 10 days, Net 30 days. FOB Hicksville, New York

MINIMUM ORDER:

\$10.00

C-SERIES A.C. POWERED OPERATIONAL AMPLIFIERS1 Amplifier Per Card

	1-4	5-9	10-24
C-06	\$173.00 ✓	\$170.00 ✓	\$165.00 ✓
C-07	183.00 ✓	180.00 ✓	175.00 ✓
C-08	185.00 ✓	182.00 ✓	177.00 ✓
C-09	187.00 ✓	184.00 ✓	180.00 ✓
*C-11	212.00 ✓	208.00 ✓	202.00 ✓
C-12	210.00 ✓	206.00 ✓	200.00 ✓
C-16	240.00 ✓	236.00 ✓	230.00 ✓
C-18	220.00 ✓	216.00 ✓	211.00 ✓
*C-22	230.00 ✓	222.00 ✓	220.00 ✓

*Without potentiometer, unit self balanced

2 Amplifiers Per Card

	1-4	5-9	10-24
C-0606	\$194.00 ✓	\$192.00 ✓	\$190.00 ✓
C-0707	218.00 ✓	212.00 ✓	208.00 ✓
C-0808	222.00 ✓	216.00 ✓	211.00 ✓
C-0909	226.00 ✓	220.00 ✓	217.00 ✓
C-1212	267.00 ✓	263.00 ✓	254.00 ✓
C-1616	332.00 ✓	318.00 ✓	316.00 ✓
C-1818	287.00 ✓	283.00 ✓	276.00 ✓

"IMPS" INSTANT MODULAR POWER SUPPLIESCARD MOUNTED POWER SUPPLIES

	1-4	5-9	10-24
CP-10 ±15V, 25mA	\$149.00 ✓	\$146.00 ✓	\$144.00 ✓
#CP-11 ±15V, 250mA	169.00	163.00	155.00

IMP REGULATORS

	1-4	5-9	10-24
R-15 AC/DC-DC	\$ 55.00 ✓	\$ 52.00 ✓	\$ 49.00 ✓
#R-16-2 DC-DC	95.00	93.00	89.00

TRANSFORMER MODULES

	1-4	5-9	10-24
T-20 For 2 R-15's	\$22.50	\$ 19.75 ✓	\$ 18.50 ✓
#T-21 For R-16-2	58.00	55.50	53.00

PICOPOWER COMPARATOR/RELAYS Contact Form
Standard Optional at
extra cost

	1-9	10-24
# PPC-1	\$ 35.00	\$ 29.00
#*PPC-2	74.00	68.00

*Includes Bourns "Knobpot"

MILITARIZED (QPL) AND "HI REL" UNITS:

Fully militarized versions of most DDC amplifiers are available. Consult the factory.

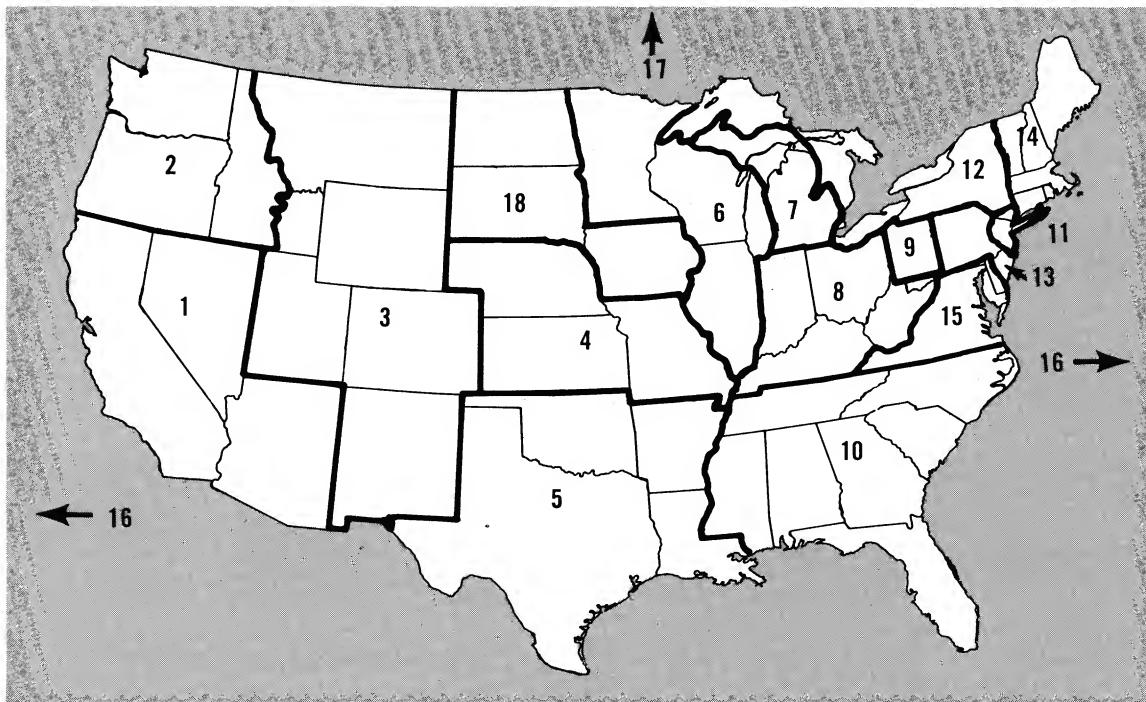


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**DATA DEVICE
CORPORATION**

ENGINEERING SALES REPRESENTATIVES



1. Luscombe Eng. Co.	5. Scientific Sales Co.	Reynolds & Assoc., Inc.	Kastle Associates
610 S. Arroyo Pkwy. Pasadena, Calif. 91101 (213) 684-2000	3603 Lemmon Ave. Dallas, Texas 75219 (214) 528-0553	Suite 122 904 Bob Wallace Ave. Huntsville, Ala. (205) 536-1941	50 Messenger La. Willingboro, N.J. 08046 (609) 877-5971
Luscombe Eng. Co. 220 East 3rd Ave. San Mateo, Calif. (415) 342-7057	Scientific Sales Co. 2337 Bissonnet St. Houston, Texas 77005 (713) 528-6904	Reynolds & Assoc., Inc. P. O. Box 1043 Eau Gallie, Fla. (305) 254-0520	14. Broger Instrument Sales Co. 176 Second Ave. Waltham, Mass. 02154 (617) 891-8045
Luscombe Eng. Co. 3130 North 3rd Ave. Phoenix, Arizona 85013 (602) 274-1542	6. Communications Engrs. 7100 N. Western Ave. Chicago, Illinois 60645 (312) 761-0548	Reynolds & Assoc., Inc. P. O. Box 13173 Station K Atlanta, Georgia (404) 876-0652	Broger Instrument Sales Co. 31 Broadway P. O. Box 2917 New Haven, Conn. 06515 (203) 777-6279
2. James J. Backer Co.	7. Anderson Electronics	11. H.A.F. Spectrum Assoc.	15. Wild & Associates
221 West Galer St. P. O. Box 9327 Seattle, Wash. 98119 (206) 283-6470	19471 Jas. Couzens Hwy. Detroit, Mich. 48235 (313) 342-7133	35 Broadfield Rd. New Rochelle, N.Y. 10804 (914) 632-3800	H. John Heffernan 1011 N. Highland St. Arlington, Va. 22201 (703) 524-2274
3. D. E. Bond Assoc.	8. McShane	12. R. P. Kennedy Co., Inc.	16. Pantronics
5650 E. Evans Ave. Denver, Colo. 80222 (303) 756-1234	114 Trails End Drive Medina, Ohio 44256 (216) 725-4283	39 Saginaw Dr. Rochester, N.Y. 14623 (716) 271-6322	500 Fifth Ave. New York, N.Y. 10036 (212) 244-2855
D. E. Bond Assoc. P. O. Box 11331 Albuquerque, N.M. 87112 (505) 247-3442	9. Automated Equipment & Engineering, Inc.	R. P. Kennedy Co., Inc.	17. R-O-R Assoc., Ltd.
D. E. Bond Assoc. P. O. Box 12293 El Paso, Texas 79912 (915) 532-4048	648 Center Ave. Pittsburgh, Pa. 15229 (412) 931-7616	Green Tree Dr., North Hyde Park, N.Y. 12538 (914) 229-2269	1470 Don Mills Rd. Don Mills, Ontario (416) 444-4403
4. Simpson Enterprises	10. Reynolds & Assoc., Inc.	R. P. Kennedy Co., Inc.	R-O-R Assoc., Ltd.
P. O. Box 3066 Southeast Station Wichita, Kansas 67203 (316) 943-0502	4677 N. W. First St. Ft. Lauderdale, Fla. (305) 581-6611	St. Petersburg, Fla. (813) 345-2128	3285 Cavendish Blvd. Montreal 28, P.Q. (514) 482-8430
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	13. Kastle Associates	18. Data Device Corporation	
	354 N. Main St. Doylestown, Pa. 18901 (215) 348-4466	240 Old Country Rd. Hicksville, N.Y. 11801 (516) 433-5330	



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NEW....

Operational Amplifiers

Miniature Power Supplies

Ultrasensitive Relay/Comparators

The enclosed Short Form Catalog and Price List describe a number of new DDC amplifiers which combine DDC's "assured reliability" with excellent performance, at low cost.

New D-9 Operational Amplifier has 5mA output at up to 50kc with a unity gain bandwidth of 20MHz, typically. At \$29.00 (in quantities of 10 - 24), it has become widely accepted for applications requiring higher currents and/or greater frequency for full output than the general purpose D-8. The 2.2mA D-8, with equally good offset current and stability, now costs only \$26.00 in the same quantities.

The new D-22 and D-22-9 Amplifiers have 20mA output with high gain and high stability. They are available in the standard 1-1/8" x 1-1/8" package or in the -9 package, with the .3" grid spacing used by some of our competitors. Their low cost and good performance make them excellent replacements for units you may now be using. If you can get along with a little less stability, the low cost D-11 and D-11-9 counterparts are even more economical.

D-16 High Input Impedance Amplifier (150 meg Ω common mode) gets its performance without FET's — uses proven, reliable Darlington inputs. Improved performance includes offset currents of less than 10na, current drift that is typically better than 0.1na/ $^{\circ}$ C, and makes it ideal for integrators and other high stability applications.

Instant Modular Power packages — "IMP" — are now available to power your amplifiers. Two R-15's (± 25 mA) or one R-16-2 (± 250 mA) will supply dual ± 15 V tracking voltages in tiny, card mounting packages. For extra convenience, you can specify complete C-Series AC powered amplifiers which mount amplifiers, power supply, and feedback components on a single standard 4-1/2" x 6-1/2" printed circuit card.

New Ultrasensitive Picopower Relay/Comparators, PPC-1 and PPC-2, are ideal for monitoring and control of voltages in your systems. They offer faster response, greater sensitivity, smaller size, and lower cost than meter relays and most competitive comparators.

New Low Prices on most DDC amplifiers are the result of DDC's increased volume and greater efficiency in production, testing, and quality control. (Prices start at \$18 — for the D-6 — an excellent amplifier for many applications. Try them in your circuits.)

After you have reviewed the catalog, we hope you'll order for evaluation or production. Most amplifiers are available from stock or on short notice. Alternately, feel free to call our Applications Engineering Department or our Engineering Representative in your area for more data.

We look forward to working with you.

DATA DEVICE CORPORATION

Stanley Benerofe
Stanley Benerofe
Sales Manager

SB/m